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1403 128V/32
In California's "Garden of the Sun"



Henderson's New Giant Hybrid Hippeastrumis

(Hybrid Amaryllis)

Flowers range from six to fourteen inches in diameter. Superior to tulips for the West. Everblooming in habit, when established. Producing over many months flowers of extraordinary beauty and size.

(Described on page 6.)

Henderson

EXPERIMENTAL GARDENS

Route 5, Box 22

Fresno, California



In Memory of Luther Burbank

Honesty, kindness, charity, an enormous capacity for work, unswerving devotion to a friend, interest in his work, a broad and cheerful outlook upon life, ever seeking to find the good and ignore the evil; these are among the many attributes that marked the personality of Luther Burbank. Great men are usually of simple and direct sincerity of character. Straightforward and as unspoiled as a child, he was always interested in the study of nature. David Starr Jordan once said of him, "If his place be outside the temple of science, not many others will be found fit to enter."

The following quotation reveals the high ideals and personality of Luther Burbank:

"And who can estimate the elevating and refining influences of flowers with all their bewildering shades and combinations of colors and exquisitely varied perfumes?"

"These silent influences are unconsciously felt even by those who do not appreciate them consciously, and thus with better and still better fruits, nuts, grains, and flowers, will the earth be transformed, man's thoughts turned from the base, destructive forces into the nobler productive ones which will lift him to higher planes of action, toward that happy day when man shall offer his brother man not bullets and bayonets, but richer grains, better fruits, and fairer flowers."

It is the ambition of Henderson's Experimental Gardens to carry out the ideals and teachings of Luther Burbank and the plans which he believed could be accomplished for the improvement of various plants.



To My Friends and Patrons:

In presenting this catalogue for 1931-32, I wish to thank you for your letters of congratulation and appreciation of my work.

Since the establishment of my Experimental Farms near Fresno, in November, 1926, six months after the passing of Luther Burbank, I have been endeavoring to propagate sufficient stocks of new and improved varieties of plants to offer to the public. During this period I have been hybridizing a large number of plants in an effort to continue the improvements already started. These experiments have been very successful, and through this catalogue, I now offer them to gardeners and flower lovers throughout the world.

My business and methods of creation, or improvement, are being carried on in the same manner as employed by Luther Burbank. My experience derived from over four years' association with Mr. Burbank, has been put to use in the production of all the new varieties offered in this catalogue.

It is my aim to place these varieties in the hands of the growers as quickly as possible and at prices as low as consistent with sound business.

Fresno is the metropolis of the San Joaquin Valley and is the center of the far-famed "Garden of the Sun" where most of the world's supply of raisins is grown. This valley is one of the richest agricultural districts in America, and has one of the most healthful climates known. Fresno has more days of sunshine per year than any other section of California. I have tested this climate thoroughly and have found that a very high grade of bulbs and seeds can be grown here.

A map is printed elsewhere in this catalogue showing how to reach my Experimental Farms from Fresno. I shall be pleased at all times to have those who are interested call. It is not my purpose, however, merely to maintain a showplace for the sale of my stock; my farms are a place of actual experimentation where all plants are field-grown so that I can more thoroughly test their merits.

I am offering in this catalog various Burbank productions perfected by the dean of American plant breeders as well as my own originations.

It is wise, whenever possible, to obtain seeds and plants direct from the originator, as he is more interested than others could be in having them absolutely true to the standard type.

In conclusion I wish to thank you for your past patronage and future orders. You may be assured that they will receive my personal attention at all times.

WM. H. HENDERSON,

Guarantee

I exercise every care to ship only first class stock, but give no warranty, expressed or implied, and will not be in any way responsible for the results of planting or forcing of any seeds, bulbs, roots, or tubers sent out by me.

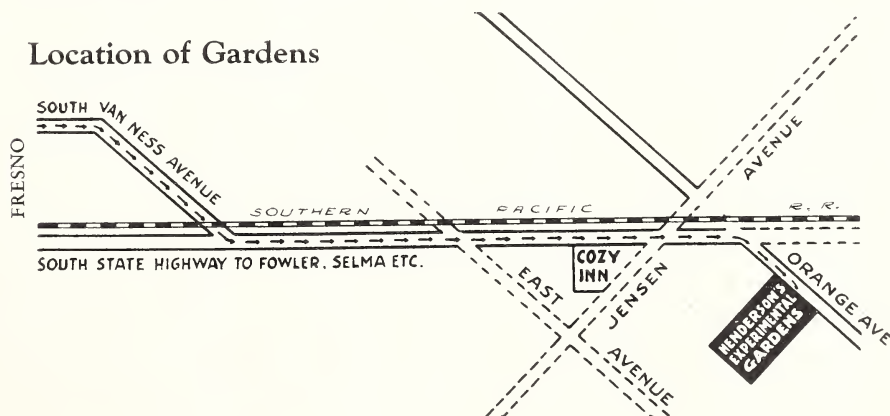
To satisfy my customers in every way is my first aim. Bulbs found to be not true to name should be returned by the customer and I will replace number that are untrue, free of charge. No planting stock or bulblets will be included in this case.

Terms

Cash with order or in advance of shipment. Unused 1c, 2c and 5c U. S. postage stamps accepted for amounts under \$1.00 only. Prices include delivery charges prepaid anywhere in U. S. A. No orders for less than \$1.00, except for seeds.

SUBSTITUTION: We do not substitute on orders unless instructed to do so.

Location of Gardens





Catalogue 1931-32

New Creations and Special Selections in Seeds and Bulbs

These seeds are unique in that they have been grown in my own experimental gardens, and under my own care. They are a great surprise to those gardeners who have grown the common wholesale seeds generally offered to the public. I do not offer a complete collection of seeds and bulbs. It is not possible for one who grows all his own seeds, etc., to offer all the items which are generally cataloged.

Vegetable Department

Artichoke Hybrids

Produce heads of enormous size; larger than any offered before, in great abundance and of superior quality. These new artichokes often produce in good soil lavender-blue flowers 3-4 feet in circumference. 25c per packet; 50c for each plant; \$4.00 for 10.

New Asparagus "Quality"

For people who have never tasted this wonderful asparagus there is indeed a rare treat in store. Once you have tried this remarkable variety, you will want no other. All growers are unanimous in their praise of this king of all quality asparagus. It is the most tender, deliciously flavored and productive of all varieties of asparagus I have tested. Packet 25c; ounce 75c; pound \$8.00.

New Sweet Corn "Abundance"

This remarkable new sweet corn was offered to the public last year for the first time. Reports from various sections throughout the country are very enthusiastic in its praise. After selecting and imbreeding the familiar Golden Bantam sweet corn for many years, the variety "Abundance" was produced. It is fully twice as productive as its parent, bearing 14-16 rows of kernels to each ear. The kernels are unusually large, and the cobs are small. It is an early variety, and can be grown successfully where other varieties fail. 25c packet; \$1.00 per lb.

New "Crimson Giant" Chard

(Illustrated on Back Cover)

A cross between the sweet sugar beet and Swiss chard. The leaves are as deeply crimped and pitted as a Savoy cabbage. Nothing in the garden can be as easily raised, and no other vegetable produces such a large and continuous supply of delicious and healthful succulent food. Very beautiful and highly ornamental in the garden. Visitors to my gardens are enthusiastic in their praise of its value as an ornamental plant. It is more delicious than the best garden spinach. The leaves of this new "Crimson Giant" are of a rich dark green color, often 24 inches long and are crisp and tender. The leaf stalks are also very edible, and should be cooked with the leaves. The stalks are rich crimson in color, and average 2 feet in length. The plant reminds one of a well-grown rhubarb. The color is retained if cooked over a quick fire about twenty minutes. 50c per packet; \$2.50 an ounce. Special quotations on request to large growers for cannery purposes.

The Burbank Tomato

It is the largest, smoothest and most productive of all early tomatoes. Resists to a greater degree wilt and other prevailing diseases. The Burbank is so much earlier that two crops have been grown from seed during the same year. This ability to mature earlier means thousands of dollars to American tomato growers.

Fruit is bright crimson in color, medium in size, with thick solid meat. An unusually heavy and continuous bearer throughout season. Keeps excellently, and is a fair shipper. The Burbank has one unique and convenient quality to those who enjoy sliced tomatoes. The skin peels freely from the rich, firm flesh. It is the finest tomato in quality that I have ever seen.

Packets 20c each; 3 for 50c; \$1.00 ounce.

New Rhubarb "Giant Hybrid"

A selected seedling. Largest stalks and leaves of any known variety. Possesses rich berry flavor and is great improvement over older varieties. Growers who tried this fine rhubarb since its introduction last season have written me of its many fine qualities. Without doubt the sweetest of all rhubarbs; requires but half the amount of sugar generally used in cooking other varieties. Stalks over 1½ inches thick and 2-3 feet in length.

Divisions 50c each; \$3.50 per 10. Prices for larger quantities on application.

Flower Seed Department

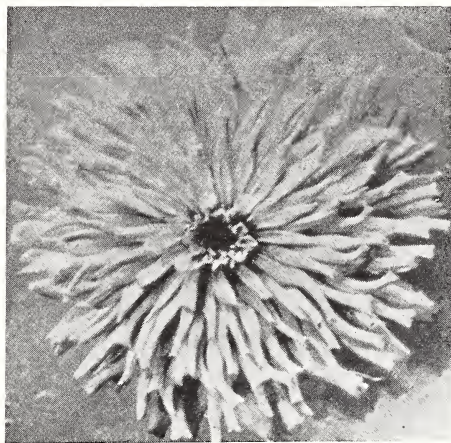
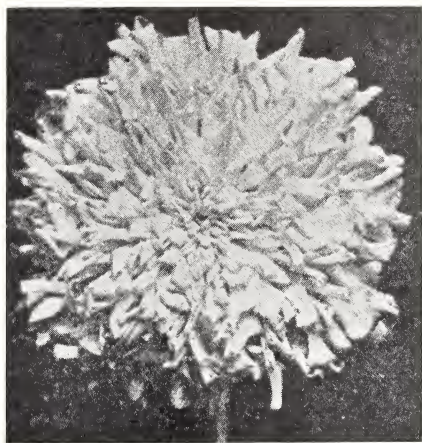
Coreopsis

The new Lanceolata Grandiflora.

Magnificent yellow blooms 4 inches in diameter on long stems. Hardy perennial plant. Selected seed 15c packet.

Echium

Very odd biennial from the Canary Islands. Has gray foliage and is a very desirable rock garden plant. Must have good drainage with full sun. When in bloom is 6-7 feet in height, and is shaped like a mammoth cone, literally covered with thousands of violet-blue and red flowers. Plant seed $\frac{1}{2}$ inch deep in spring, after danger of frost is passed. 25c packet.



Two Specimens of Henderson's Hybrid Zinnias 4 to 6 Inches in Diameter.

Zinnias

Zinnias were a favorite flower of the late Luther Burbank. For many years he worked upon their improvement. During the time I knew him, thousands of plants of this popular flower were grown and hybridized. Many mornings I accompanied him on his tour of selection.

Since establishing myself in Fresno, I have been attempting to carry out the ideals which the "Master of Nature" had in mind. Wonderfully rich color combinations; improved habits of growth and larger size flowers have been achieved. Colors include: old gold, salmon-orange, orange, golden yellow, scarlets, dark velvet scarlet, crimson, lavender, deep pink, light pink with flame pink centers and many new types which are semi-cactus, curled and crested. They represent the very highest development stage of the modern zinnia. Enormous full double flowers resembling dahlias in bloom all summer.

Plant in full sun from April 15th to latter part of July. Seed offered only in mixed colors. Price 50c packet. \$1.25 for 3 packets.

"Henderson's Hybrid" - Baby Zinnias

This type of Zinnia has been greatly improved during the last few years and is rapidly becoming very popular. Plants are low and compact, rarely exceeding 2 ft. in height; excellent for bedding purposes. Flowers are small, but double, produced in great profusion on long stems well above the foliage. Make a gorgeous display in the garden. Their greatest success is in their use for cutting purposes; they are more delicate and graceful for small bouquets than other types of Zinnias. Mixed colors only. Packet 25c.

Some qualities nature fixes and transmits, but some, and those the finer, she exhales with the breath of the individual as too costly to perpetuate. But I notice also that they may become fixed and permanent in any stock, by painting and repainting on every individual until at last nature adopts them and bakes them into her porcelain.—EMERSON.



Eucalyptus Gomphocephala "Tooart Tree"

Tree to 120 ft. height. Produces wood of a pale yellow color. Remarkable for hardness and strength. The grain is close and twisted; shrinks but little and the only species of Eucalyptus known which will not check while seasoning. Suitable for large scantlings and for use where exposed to great heat. One of the strongest and most durable woods known. Takes a high polish. Alkali resistant and will grow either on the coast or in the dry interior valleys. Very rapid grower and a splendid shade tree. Seed 25c packet. Trees 2 to 3 feet high in gallon cans at \$1.00 each. Sent express collect.

"Burbank's Blue" - Bedding Petunia

This unusual color in petunias has never before been produced, and is very pleasing. The seed now offered comes "true blue." Blooms abundantly all summer. Packet 15c.

Hollyhock

Henderson's Double Apricot Shades

Imagine large flowers, 5 to 6 inches in diameter, of exquisitely blended shades of apricot orange toned with yellow on graceful stems four to six feet in height, and you have an idea of this beautiful variety. The edge of each petal is lacinated and ruffled, making a marvelous transformation of the popular flower. Seeds 25c packet.

Columbine - Henderson's Hybrid

This splendid perennial, the Columbine, has always been a favorite with flower lovers. The strain offered is a great improvement over the older types. Not only has the size of bloom been improved, but also the length of the spurs. All weak colors have been eliminated and a much stronger, longer-lived strain has resulted.

Combinations of color include yellow, red, orange, rose, blue, purple, cerise, white, salmon, and mauve. These plants are wonderful for either partially shaded or shady places. They are among the most graceful plants known. Seed packet 20c; 3 packets 50c; Plants \$2.00 per dozen.

Tithonia Speciosa (Mexican Sunflower)

A rare annual from Mexico. Throws up from root many stout woody stems with rather large leaves. The flowers are also large, and remind one of an immense single zinnia. Color is dazzling orange scarlet. A large shrubby plant; blooms for a long period and is especially desirable for planting among shrubs or in the background of wide borders. Packet 25c.

Delphinium

Henderson's Hybrid Perennial Larkspurs

Several years ago I started an experiment to develop a floriferous, vigorous and long-lived strain of delphinium. I secured best strains from all over the world, and tested each of them. The finest stalks were chosen; even the best roots were selected so that they might stand feeding without the development of rot. The chosen plants include beautiful new shades, and there is a good percentage of semi-doubles. Mildew free. They have been grown in a very hot dry atmosphere, the most severe climate for such plants. They will be satisfactory anywhere.

Colors of this strain range from sky blue to deepest indigo. The flowers are single, semi-double and double. One-year divisions ready for delivery from January to April, \$2.00 per dozen. Will bloom in spring or early summer. Seed, packet 50c.

Digitalis (Foxglove)

Biennial plant having tall spikes covered with flowers of rose, white and crimson. The strain offered is very vigorous, selected for large size, quality and excellence of flowers. 15c packet. 50c per ounce. \$3.00 per lb.

The peach with its luscious meat, the nectarine with its smooth skin, the almond with its delightful kernel and the stoneless plum with its unbeated seed—who will breed these together and thus produce a valuable fruit-nut?—BURBANK.



Bulbs and Perennials

"California Fuchsia" Humming-Bird Trumpet Flower

Low perennials. Foliage gray green, growing 2-2½ feet high. Blooms throughout fall. Graceful pendant flowers of orange scarlet resembling a small fuchsia. Only slight protection needed in cold climates. Remarkably resistant to drought; very desirable as covering for dry banks or massing in front shrubbery. A very beautiful perennial. 25c each; \$1.00 per 6; \$1.50 per 12; \$10.00 per 100.

New Carnation "Apricot Queen"

This beautiful new carnation met with instant approval because of its new clear orange salmon color, never before seen in a carnation. No traces of purple mar its beauty. Calyx very strong, never splits; in fact, it has such a strong calyx that I believe it valuable for use in crossing with other varieties to strengthen them in this respect. Very floriferous. Finest color novelty introduced in years. Heavily rooted plants, \$1.50 each; April delivery.

Henderson's Carnation Hybrids

The carnations listed below represent the best carnations for outdoor planting. They have been selected from thousands of specimens and I recommend them very highly for garden use. Better carnations cannot be secured anywhere. Can supply plants, in the following colors: All large flowered double varieties; White, red and white variegated, in both plain and lacinated petals, dark ruby red, scarlet veined with mahogany, flesh pink, and deep pink, 25c each; 12 for \$2.00. Heavily rooted cuttings.

Michaelmas Daisies or Perennial Asters

Asters are among the very best hardy plants known. For masses of soft coloring in the garden they have no superior. They should find a place in the hardy border.

CULTURE: Plants grow well in any garden soil with moderate watering. Location should be either in full sun or part shade. Plant 15 to 18 inches apart in groups of 6 to 10 of a kind. Plants should be set out between October and April. Move at least every two years. Varieties I offer are new and distinct.

Charming

(Burbank). Color is soft shade of pink with a cream yellow center. Very delightful and good bloomer. Height of plant 4 ft. A clump of this variety with its weeping branches resembles the Spirea Van Houttei. 50c each; \$3.50 per 10.

Baby Blue

(Henderson). When massed in front of dark shrubbery it appears like a soft blue cloud. All visitors to my gardens are enthusiastic over its "heavenly blue" color. I have never seen a perennial which excited such admiration. Try the effect in your own garden; you too will be greatly pleased. 50c each; \$3.50 per 10.

Lavender Queen

Color, richest lavender with a deep orange yellow center which sets the whole flower aglow. Extra large flowers frequently 2 inches and over in diameter. 50c each; \$3.50 per 10.

New Variegated Salvia

A marvelous new Salvia with leaves which carry shades of scarlet, claret-red, pink, cream, yellow, and white. Grows to 18 inches and spreads to a diameter of 2 feet. Beautiful in a mixed border as the foliage presents a charming color scheme. Young plants from pots, for April delivery, \$1.00 each.

Statice Latifolia - "Blue Babies-Breath"

Fine perennial plant, which increases in beauty and usefulness year after year. When in bloom it resembles "Babies-Breath" except in color, which is an exquisite sky-blue. The best flower known for drying purposes for use in winter bouquets. Flowers last for years. Fine large 2-year plants ready for immediate bloom, 50c each; \$3.50 per 10. Hardy anywhere.

We have learned that plant life is as plastic in our hands as clay in the hands of the artist. Plants can be readily moulded into more beautiful forms and colors than any sculptor can ever hope to equal.—BURBANK.



Henderson's New Giant Amaryllis

(Illustrated on Front Cover)

These magnificent new creations produce some of the largest flowers known to growers. They are seldom less than 6 inches in diameter, and frequently 14 inches. As easy to grow as Iris or Gladiolus. I especially recommend them as substitutes for tulips in warm climates as they increase in size and beauty each year. **IMPORTANT:** Do not confuse these Amaryllis with the familiar summer-blooming Amaryllis Belladonna on which the foliage dies in summer. These new creations have both foliage and flowers at the same time. Plant in full sun. Colors are white, beautifully marked and striped with crimson; ruby-red, light and dark shades of pink, scarlet and a dark velvet red. After the bulbs are established they will bloom several times a year. The largest crop of flowers is borne in spring, about the same time the Darwin tulips are in bloom.

In form the flowers resemble gigantic lilies and attract all who see them. For several years I have been hybridizing many varieties of this fine flower. The best obtainable stock has been secured from England, France, and Germany, also the best of the Burbank strain, for this work. Several acres will be devoted to this experiment during this next season. A new double-flowered form is under observation and also a yellow variety. Large blooming-size bulbs are 75c each; \$3.00 per six; \$5.00 for 12; \$35.00 for 100. Smaller bulbs, $\frac{1}{2}$ to $\frac{3}{4}$ inch, \$20.00 per 100; will bloom in 8 months. Prices on planting stock in quantity upon request.

The cultivation is very simple. Any loose pliable soil with good drainage is preferable. For house or greenhouse planting the bulbs should be on the surface of the soil and only the roots beneath the surface. For the greenhouse culture it is best to keep the temperature close to 70 degrees at night to insure the greatest number of flowers. Planted in the garden it is necessary to cover bulb at least 1 inch deep.

Plant in full sun or partial shade. The colors are much brighter, however, when planted in full sun. Will withstand drouth and neglect. Increase in size, beauty and quantity of flowers each year. Unequalled for garden use in the West. Plant any time of year.

Burbank's Torch Lilies-Tritoma

A beautiful plant with grass-like foliage, producing for many months throughout the summer, golden-yellow and coral-red flowers on stems ranging from 2 feet to 4 feet in length. Admirable for cutting purposes as they keep remarkably well. Very easily grown perennial, which will increase in size and beauty year after year. For immediate large clumps effect, plant in groups of three. Very striking and highly ornamental for Spanish homes or for use in front of shrubbery to add color. Plant either in full sun or partial shade. I offer two Burbank varieties listed below.

Tower of Gold

(Burbank.) Tall golden-yellow flower; very floriferous, blooms all summer. Height of plant 4 feet. Splendid new creation. 50c each. \$3.50 per 10.

Exquisite

(Burbank.) Dwarf plant with long flower spikes of exquisite coral red, shaded yellow. Fine for cutting and landscape use. 50c each; \$3.50 per 10.

Burbank's "Fire" Canna

One of the largest flowered cannas in existence. Constantly in bloom. Without a doubt the finest variety of canna for massing purposes. Never fails to create a sensation among visitors to my gardens. Enormous flower clusters of an attractive bright fire-red color. Never exceeds 4 feet in height. Planted in groups of three or more it is admirable for lawn decoration. Each, 50c; 3 for \$1.00; 10 for \$2.00. Prices on larger quantities upon request.

Thunbergia Gibsoni

This fine trailing or climbing perennial from Africa is very desirable, because of its brilliant orange flowers, often $1\frac{1}{2}$ inches in diameter. The blooms are exquisitely formed with a pair of brown stained inflated bracts being produced singly on slender stems which stand out well from the glossy green leaves. The richness and brilliancy of the orange color, in this plant is not excelled or approached by any flower.

Unequalled as a ground cover in a sunny location or one with partial shade; also creates a wonderful effect as a covering for low walls or fences. Select young plants, each 50c; \$5.00 per 12.

The successful plant-breeder must be able to look beneath the surface of his plants to discover the underlying harmonies.—BURBANK.

Henderson's Hybrid Giant Hibiscus



These new giant hibiscus can be raised in Alaska as well as in the tropics. They are absolutely hardy in any climate. The flowers resemble enormous single hollyhocks in form, are seldom less than six inches in diameter, and frequently measure ten inches.

Colors range from snow white through all shades of pink to red, orchid, scarlet and maroon. The bushes grow 6-8 feet in height, and bloom three months in the fall of the year. In the winter they die down, but grow again in the spring from a perennial root. Healthy and vigorous, will grow in any soil. Require plenty of water when in bloom. A few bushes should be in every garden as they are one of the most showy flowers grown. Mixed colors, strong one year plants, 50c each; \$5.00 per dozen. Selected colors, \$1.00 each.

Life is self-expression, a challenge to environment.—BURBANK.



Peruvian Daffodil

Bulbous plant, producing throughout the summer months flowers resembling Amaryllis. Very sweet scented and splendid for cutting purposes, producing stems about 18 inches in length. Flowers are excellent keepers and white in color. Plant almost evergreen in habit. Each 25c; \$2.00 per 10; \$15.00 per 100; \$25.00 per 1000.

Henderson's Hybrid Pentstemon

This perennial flower is especially desirable for the garden as it is almost continually in bloom; rivals petunias in the production of blossoms. Branching freely from the base, makes bold clumps with erect flowering stems from 18 to 30 inches in height. Flowers often 2 inches in diameter and resemble fox-glove. As a rule the body of the flower is one color and the throat often mottled in rich color combinations. Colors vary from white to lavender to purple, also from brightest reds to softest pinks. Unusually free from disease and very vigorous. Plant either in full sun or partial shade. Highly recommended as substitute for snapdragons as they are never troubled with rust and will live for years. Plants selected from our best specimen stock; mixed colors. 15c each; \$1.50 per dozen; \$10.00 per 100.

Watsonias

A South African bulbous plant, similar to a gladiolus in foliage and flower. Flowers are produced in great abundance. As many as 50 flowers have been counted on a single spike. Many have a delightful perfume. A very decorative plant in the garden. Does not have to be moved each year like a gladiolus. Increases in size and beauty each year. Extremely valuable for planting in front of shrubbery to add color to the landscape. Orders for Watsonias can only be filled in August when plants are dormant. Kindly write us about your requirements. I offer four varieties. Two of these are new and are very highly recommended to you, as splendid new color additions to the Watsonia family. All are valuable as cut flowers, blooming early in April. Will withstand temperatures down to 10 degrees above zero.

Lavender Queen

(Henderson). New, large flowering variety. Largest flowered variety in my collection. Beautiful shade of sparkling rose-lavender. \$1.00 each.

Rose Queen

(Henderson). Richest rose-pink shading to salmon. Very vigorous and free flowering with fine iridescent color. 50c each; \$3.00 per 10.

Pink Beauty

(Burbank). Light shade of rose pink. Very fine variety. 25c each; \$1.50 per 10.

Royal White

(Burbank). Purest white found in any flower. Large well-placed flowers. Long period of blooming. 25c each; \$1.50 per 10.

New Crinum

White Queen

A very large and free blooming hybrid crinum. Developed from an Americanum and Asiaticum Hybrid. Flowers wide open; pure white and intensely fragrant. Blooms all summer and into the fall. \$3.00 each. Offsets \$1.00 each. Resembles an Easter Lily when in bloom.

Endymion

*A thing of beauty is a joy forever,
Its loveliness increases; it will never
Pass into nothingness, but still will keep
A bower quiet for us, and a sleep
Full of sweet dreams, and health, and quiet breathing.
Therefore, on every morrow, are we wreathing
A flower band to bind us to the earth.*

—JOHN KEATS, 1795-1821.

New Shasta Daisy "Snow Queen"

The largest and finest Shasta daisy I have ever grown. Flower lovers who saw this remarkable variety in bloom last season were amazed at the enormous size, heaviness of the bloom, and lasting qualities of this superb new daisy. Large 6 inch blooms on smooth stems. Flowers semi-double; petals very wide and of excellent substance. Over 2000 hybrids were raised in the production of this unusual variety. Strong divisions from the original plant 50 cents each; \$3.50 per 10.



"Lacinatus" New Shasta Hybrid

(Illustrated in Photo Above)

A very beautiful new Laciniated Shasta Daisy. Large four-inch flowers, which carry a large number of petals. The ends of each petal are finely cut and present a unique and beautiful appearance. Plant very vigorous in habit, growing to three feet in height and blooming over a long period. Stems of good substance and excellent for cutting purposes. The most beautiful laciniated variety ever grown anywhere. Strong divisions from the original plant, 50c each.

Chrysanthemums

Hardy Pompoms and Single Flowered Varieties, for Bedding and Cutting Purposes

Mrs. J. Willis Martin

Crushed strawberry in color. The only variety we have in this shade of out-door chrysanthemums. Beautiful, early and very popular on account of its exquisite shade. 50c each; \$2.50 per 10.

Dream

Very handsome late improved Pompom. Very double flowers produced on long stems. The most attractive and ornamental Chrysanthemum variety for garden borders on account of its color—rose pink of a bright clear shade. Flowers stand frost and rain remarkably well. 50c each; \$2.50 per 10.

Margaret Waite

The finest of all varieties of Chrysanthemums for late bloom. It has stood up under hail, rain

and frost, and has come up smiling through it all. Stems can be cut 24 inches to 30 inches in length. Color a deep sparkling rose pink. Semi-double and *has no equal for lasting quality*, color, cutting, and a rich spicy fragrance. 50c each; 10 for \$2.50.

Ira K. Skiff

Golden bronze, large semi-double flowers on excellent stems. Very early bloomer; always attracts much attention in the garden. 25c each; 10 for \$1.50.

E. D. Godfrey

Very late flowering; light flesh pink color. Flowers semi-double, bloom in great profusion. 25c each; 10 for \$1.50.

Burbank's Hemerocallis "Calypso"- Day Lily

Splendid variety of this fine perennial plant. Flowers average 5 inches across and are a glorious shade of deep lemon yellow. Grows to 4 feet in height. A Burbank production, pronounced by experts to be one of the finest of all day lilies. Plant in full sun or partial shade. Each, 50c; \$3.50 per 10; \$15.00 per 100.

The plant's life is open to receive all impressions; it is pliable and responsive to all influences.—BURBANK.



1931-32 New Dahlia Varieties

Henderson Originations

I am offering dahlia growers several new varieties of merit, all tested and worthy of introduction. I grow and hybridize dahlias by the thousand yearly, and maintain a test ground where each new variety is given a trial before being offered to the public.

Each year beautiful and unusual types of dahlias are developed. In my opinion, this flower should rank next to the rose, for general planting and ease of culture. You will find many prize winners among these new varieties.

"Sonora" (Henderson)

A beautiful new decorative variety. Plant grows to 5 feet. Full double throughout season. Can be grown to 10 inch diameter, with proper disbudding. Fine full form, of an attractive shade of lavender rose. Stems excellent and a good keeper when cut. \$1.50 each.

"Mysteriosa" (Henderson)

A splendid hybrid cactus. Color deep rose pink, shaded yellow. Flowers attain fine size and can be grown to 10 inch diameter, with proper disbudding. Stems excellent. Plant grows to 5 feet. Long shaggy petals, curled and twisted in a most fantastic manner, are attractions offered in this new variety. \$2.00 each.

New Pom Pom Dahlia "Clara Bow" (Henderson)

It is a most profuse bloomer, producing very long stems, excellent for cutting. Color is generally a dark maroon, but there are some variegated pink flowers on the same bush producing a delightful array of color. A regular "flapper" variety. Height 4 feet. 50 cents each; \$3.50 per 10.

Dahlia Culture

Dahlias will grow in most soils, but thrive best in sunny locations. Prepare soil in the fall, if possible, by spading deeply and leaving the surface rough. If soil is inclined to be thin or sandy, work in barnyard or other fertilizers such as leaves, etc. Spade again in spring. Plant bulbs from February 15 to April 1.

In planting dig holes 12 to 18 inches deep, refilling to within 6 inches of the surface. If drainage is poor mix in a shovel of sand or wood ashes with loose soil at the bottom of hole. NEVER USE FERTILIZER AT TIME OF PLANTING. Lay tuber in bottom of hole, eye-side up, cover with 3 inches of soil; fill in remainder of hole as plant matures. Water only moderately until flower buds appear. When first shoot is 6 inches out of ground, nip out the center. This will cause branching close to the ground. Plants treated in this manner do not require staking. Disbud each sprout to a single bud, and when cutting blooms, cut almost to the base, leaving only two side buds.

Dahlias for Cutting

All Dahlias listed in this catalogue have proven to be excellent keepers when cut. They will keep for several days if prepared properly. Cut in morning; stems should be dipped at least 3 inches in boiling water for at least three to five minutes; then remove and plunge stems as deeply as possible into cold water, and set flowers in a reasonably cool room. During the past summer the new variety, Henderson's White, was cut and placed in a cool room, and the blooms kept in excellent condition for 10 days. This is an example of the keeping qualities of the new generation of Dahlias.

Elizabeth Cook (Henderson)

Decorative. Color, La France pink shading to a cream white center. Flowers 6 to 8 inches diameter. Profuse bloomer. Stems rigid. Flowers upright; full, double and perfect throughout season. Height 4 to 5 feet. A Jersey Beauty hybrid. Withdrawn for propagation.

American Beauty (Henderson)

Flowers perfectly double, 8 to 10 inches diameter. I have had flowers 14 inches in diameter with proper feeding and disbudding. 4 to 5 feet in height. Very prolific bloomer. Color, rich American Beauty rose. Stiff, straight stems. One of my best dahlias. \$5.00 each.

Bernice Rogers (1928) (Henderson)

A descendant of the popular variety, Jersey Beauty. Decorative. Stems very strong and long. Flowers 6 to 8 inches diameter. Excellent substance. Good keeper when cut. Vigorous grower, and profuse bloomer. 6 feet in height. Color, light lavender pink. One of the finest in my collection. Withdrawn for propagation.

Fresno Beauty (Henderson)

Decorative. Color, rich American Beauty Rose. Stems excellent. Flowers to 12 inches diameter. Free bloomer. \$1.00 each.

Heredity is the sum total of the effects of all the environments of an infinitely complex ancestry back to the beginning.—BURBANK.

Henderson's White Dahlia



(Illustration reduced to one-eighth; above flowers 8-10 inches in diameter)

This new variety, illustrated above, has proven itself to be the most beautiful, the most distinct in form and the most prolific bloomer of any dahlia. Most people seeing this wonderful dahlia, for the first time are likely to confuse it with the largest of the Japanese chrysanthemums. Only upon close inspection of the foliage, can it be distinguished. Sixty flowers were picked from one plant, during the past season. None of the blooms were less than 8 inches in diameter and frequently twelve, stems averaging 3 to 5 feet in length. Stems absolutely rigid. An excellent keeper, surpassing the famous variety "Jersey Beauty" in that quality. Color is pure white, with a warm yellow center. Price \$5.00 each. Two for \$8.00.

No race is perfected—no living thing is freed from the struggle for existence.—BURBANK.



Dahlias-Henderson Originations

San Joaquin

Decorative. Extra large flowers, 10 inches diameter. Color, rich orange shading to buff. Perfect stems. Very desirable variety. Fine color combination. \$2.00 each.

Garden of the Sun

Enormous double flowers. Decorative. Splendid keeper. Best exhibition variety of its color in my collection. Color, golden yellow. \$8.00 each.

Uncle Sam

Extra large flowers of an intense fire scarlet. Decorative. Each petal is tipped cream white which is very unusual and very attractive. Flowers can be grown to 12 inches in diameter. Foliage insect proof. \$2.00 each.

Senator Slater

Color, rose pink, shades to primrose yellow in center. Decorative. Dwarf grower. Height 3 feet. Flowers 10-12 inches diameter. Stems perfect. Very beautiful variety. \$2.00 each.

Orchid Queen

Very large orchid-pink flowers. Decorative, free bloomer and very desirable. Full, double flowers throughout season. Grows to 4 feet in height. \$1.00 each.

Henderson's Pink

A Jersey Beauty hybrid which is a deeper pink shaded to yellow. Flowers 8 inches diameter. Floriferous and attains height of 6 feet. Growth, form and blooming quality same as its parent. Fine keeper when cut. \$5.00 each.

Dahlias-Tested Commercial Varieties

Amun-Ra

Rich coppery-bronze in color. Decorative. Very large flowers; free blooming. 75c each.

Champagne

Autumn shades from burnished copper to chamois. One of the finest of newer varieties. Plants strong and vigorous. Stems rigid. 75c each.

Earle Williams

Splendid bicolor; good substance. Long and straight stems. Crimson centers blend into a creamy white. Very unusual variety. \$1.50 each.

Jersey Beauty

This dahlia is one of our outstanding offers. It is one of the most perfect ever originated. Color and form are very pleasing; eocene pink, carried on long and unusually strong wiry stems. If you choose no other dahlia, our recommendation would be to grow one of these. 75c each; 10 for \$5.00.

Insulinde

Hybrid cactus. Very handsome variety. Autumn tints of amber and gold are beautifully blended. Large flowers borne on strong stiff stems. Excellent variety. \$1.00 each.

Gladiolus

I have been deeply interested in the improvement of gladiolus for many years, and have spared no expense in testing many of the newer varieties offered. During my stay in Santa Rosa I tested innumerable varieties, from all sections of the globe. This, coupled with the opportunities for watching Luther Burbank's work on the gladiolus, has given me a full knowledge of the "ideal" gladiolus.

While in Santa Rosa I started the experiment which later produced the *fragrant* gladiolus, and imported stock directly from the wild regions in South Africa for the purpose. The experiment resulted in the introduction of three new fragrant gladiolus last year.

NOTE—Orders from the east should reach us before February 1st, as our planting season starts at that time. Orders received before February 1st can be packed and held until such date as purchaser desires order to be sent. We do not advise shipment of eastern orders until March 15.

"Santa Rosa" (Henderson 1931)

Selected from thousands of gladiolus hybrids, this new variety is the most beautiful of all varieties in its color class. A clear transparent apricot yellow overlaid and tipped soft peach-pink. Throat a warm shade of yellow. A heat resister. Substance very heavy. A superior variety in every detail. Flowers very large, perfectly placed, double-truss arrangement, large sized bulbs \$5.00 each; bulblets \$1.00 each.

In order to keep abreast of the ever-changing fashions in flowers, we must always be on the lookout for improved forms and types.

Henderson's Originations of Gladiolus

Averick Bleecker

Flowers 5 to 6 inches in diameter; color a rich salmon rose with a beautiful yellow throat overlaid with a blood-red throat. Early bloomer. Branching spikes. A most beautiful new variety. Wide open flowers. Double truss. \$10.00 each.

Rev. Thomas Clayton

Coppery salmon overlaid ashes of roses. Flowers 5 inches in diameter. White central line on each petal. Wide open flowers on a double truss. Stem wiry and strong. Cream white blotch on lower petal. \$2.50 each.

Mary R. Logan

A tall, early vigorous plant. Spikes straight and strong. Color, a beautiful shade of soft rose pink. Fine variety for cutting. 25c each; \$2.00 per 10.

Mary Ann

Color a rich sparkling deep rose pink. Flowers 5 inches in diameter. Double truss. Very vigorous and floriferous variety. American Beauty pencilings in throat. 25c each; \$2.00 per 10.

Dorothy

Salmon-rose. Flowers 5 to 6 inches with 8 open. Throat white overlaid and feathered American Beauty red. Very early. Double truss. Vigorous plant and good cut flower. 25c each; \$2.00 per 10.

The Dawn

Fine orchid-colored variety. Possesses wonderful substance. Fine keeper. Exquisite shade of soft orchid rose. Double truss. Vigorous and superior in every detail. Flowers 5 inches diameter. \$5.00 each.

Tested Standard Varieties Gladiolus

Alice Tiplady

Bright clear orange. Large flowers with brilliant clarity of color. No garden is complete without this rare and beautiful glad. 10c each; 75c per dozen.

Dr. F. E. Bennett

Flame color. Many large well-placed blooms open at one time. One of finest red gladiolus. 20c each; \$1.50 per dozen.

Helen Willis

Pure lovely white. Excellent new variety which is becoming more popular each season. \$1.00 each.

W. H. Henderson, Sr.

Pure glistening white with a throat of primrose yellow overlaid with an American Beauty center. Height of plant 4½ feet. Double truss. Extra fine substance. *Splendid heat resister*. Flowers 5 to 6 inches diameter. *Wonderful addition to the white class*. \$2.00 each.

The Raven

Color very dark maroon; almost black. Best of dark red gladiolus I have tested. Flowers 5 inches diameter and wide open. Very beautiful and rare variety. Fine keeper. \$2.00 each.

Fresno

Pure orange scarlet. Wide open flowers with 3 narrow golden stripes on lower petals. Height 4 feet. Excellent as cut flower. Substance good. Flowers 5 to 6 inches diameter. Long bloomer, and very attractive. 50c each; \$2.00 per 10.

Lady Eleanor

Hybrid. Very beautiful color combination of chamois, yellow and peach pink. One of the most beautiful Primulinus Hybrids. \$1.00 each.

California

Rich begonia rose. Most vigorous variety in my collection. Double truss. Flowers 5 to 6 inches in diameter. Height 5 to 6 feet under favorable conditions. 25c each; 10 for \$2.00.

Rainbow

Orchid-pink ground overlaid with ruby-red. Upper petals touched with primrose. Throat yellow overlaid with ruby-red. A line of the same color found in center of each lower petal. Wide open flowers. Petals recurve similar to those in a tiger lily. Double truss. Excellent placement; height 3 to 3½ feet. *A most beautiful new variety*. \$2.50 each.

Golden Eagle

One of the finest yellows in the gladiolus world. Color true clear yellow. Very fine and vigorous plant. \$1.00 each.

E. J. Shaylor

Very lovely ruffled deep rose. Rich and fine. 10c each; 75c per dozen.

"Evelyn Kirtland"

Clear sparkling rose pink. When well grown this variety is not approached by any pink. Resists hot weather and does not burn. Large wide open flowers on a long straight spike. 10c each; \$1.00 for 12.

The physical condition of the soil in practically every case is more important than the chemical condition, that is, it has a more direct effect upon crops.—BURBANK.



Tested Standard Varieties of Gladiolus (continued)

Los Angeles

Vivid shrimp pink with deeper pink feathering in throat. Tall, vigorous and graceful. Long blooming season. Sometimes called the "cut-and-come-again glad." 20c each; \$1.50 per dozen.

Mary Pickford

Dainty cream in color with sulphur yellow throat. Blooms creamy white. Very lovely variety especially when combined with various other colors. 10c each; 75c per dozen.

W. H. Phipps

Color is a La France pink. Very large flowers. Rated very high by the American Gladiolus Society. Has as many as 22 flowers open on a spike at the same time. 25c each; \$2.00 per dozen.

Virginia

Clear smooth spectrum red. The keeping qualities and vigor of this glad are hard to excel. An old standby. 10c each; 75c per dozen.

Mrs. Frank Pendleton

Lovely bright pink deepening toward the throat with a vivid crimson blotch of large size. For many years this variety has occupied a most important place among the commercial varieties. 10c each; 75c per dozen.

"Apricot Queen" (Henderson)

Richest apricot shading to an orange pink. A very unusual color produced by crossing the Primilinus with large flowered types. Six flowers open at once, substance and placement excellent. Vigorous and a rapid multiplier. Splendid heat resister. Late bloomer. 10c each; 12 for \$1.00.

Richard Diener

Pure geranium pink with a slight sprinkling of ruby on a cream yellow center. Large flowers on a tall graceful spike. 20c each; \$2.00 per dozen.

Luther Burbank

(Burbank). Very delightful combination of pure cherry crimson with a primrose yellow throat, feathered with deep purplish crimson. A feature of this variety is a deep ruby red line on each lower petal. Wonderful bloomer. Vigorous plants. 50c each.

Elora

(Burbank). Color is a creamy white with rich yellow spots on three lower petals; each spot overlaid with a feathering of American Beauty pink. Long spiked, early blooming variety. Large flowers on strong stems. 10c each; 75c per dozen.

Mrs. F. C. Peters

Rose lilac with deep feather of similar color in the throat. Best flower in this shade. 20c each; \$2.00 per dozen.

"Mrs. H. E. Bothin"

One of the finest ruffled varieties. Color soft rose pink or flesh with a throat of soft red feathering. Splendid cut flower, keeping well. Heat resister and sure to please. 10c each; \$1.00 per 12.

"Early Sunrise"

Very early bloomer. Color a beautiful soft shade of red with a yellow throat mark. Tall straight spike with as many as six open at once. Very striking when in bloom. 10c each; \$1.00 for 12.

Gladiolus - Mixed Bulbs - Special Offer

A mixture selected for variety of color, from our very best high crowned bulbs. If you are planting for a mass of color or for varieties to cut for home use, I offer this mixture. The price is low enough so everyone can enjoy the Gladiolus—King of Flowers. 60c a dozen; 50 for \$2.00; \$3.00 per 100.

Building an ideal plant is like building a house. Each must be planned in accordance with a clearly conceived idea, but there is this difference; in the case of the plant you must wait for nature to supply you with material with which to build.—BURBANK.

Nature did not make the laws; she limits herself to no grooves; she travels to no set schedule.—BURBANK.

Our flowers grow more beautiful, our fruits more luscious, as their tendencies gain momentum.—BURBANK.

The New "Fragrant Gladiolus"



Gladiolus "The Raven"

It is well known to all lovers of "Glads," that this popular and lovely flower has always been without fragrance. Now after eight years of endeavor my efforts were rewarded with a fragrant gladiolus. Over this period of time, hybridizations were made by the thousands and carefully tested. The dream of gladiolus lovers throughout the world is at last a reality—a delicate fragrance along with the beautiful flowering spikes.

Fragrant Rose

Flowers 4 inches in diameter. Petals heavily blushed rose pink on both sides over a frosted white ground. Three carmine stripes on three lower petals. Height of plant 2½ feet. Pleasing fragrance, suggestive of orange blossoms, *present both night and day*. Very valuable to breeders. Blooming size blubs, \$10.00 each. Bullets \$2.00 each. Stock very scarce.

Fragrant Yellow

Flowers 4 inches in diameter, golden yellow, flushed and shaded on backs and tips of petals with ashes of roses. Average 16 flowers to each spike. *Very fragrant both night and day*. Height of plant 3½ to 4 feet. Spikes branching. Most vigorous hybrid. Bulbs \$10.00; bullets \$2.00 each.

Fragrant Rose Lavender

Flowers 4 inches in diameter. Fragrant only in evening. Perfume delicate and pleasing. Rose lavender with carmine markings in throat. Bulbs \$5.00; bullets \$1.00 each.

African Fragrance - Gladiolus Tristis

African Fragrance (Gladiolus Tristis)

Nocturnally fragrant; medium-sized flowers. Has withstood temperatures as low as 15 degrees above zero without injury. Planted in September blooms March 1st. Height 2½ feet with cream yellow flowers. Very graceful and desirable. One parent of my new fragrant varieties. 50c each. \$2.50 per 10; \$20.00 per 100. Bulbs all blooming size. Bullets \$15.00 per 1000. Seed, 50c per packet. *More fragrant than Freesias*, splendid for cutting. A few of these in your garden, will supply a wonderfully rich and exotic perfume. The fragrance of this flower is new, to flower lovers. It can best be described as a combination of violet, orange and lily perfumes. Resembles a gardenia in fragrance.

Our search then is a search for stored up hereditities---a search for living traits.—BURBANK.

(NOCTURNALLY FRAGRANT GLADIOLUS)—in SHAKESPEARE

*"She hangs upon the cheek of night
Like a rich jewel in an Ethiop's ear;
Beauty too rich for use, for earth too dear!"*



New Rose Originations

For the past eight years I have been hybridizing a large number of rose varieties in an effort not only to increase the number of color combinations, but also to enlarge the flowers, develop disease resistance, and intensify fragrance.

The following new roses represent the latest developments produced by these experiments. The ideals which Burbank had in mind for the improvement of the rose are being carried out as rapidly as space and time will permit.

CULTURE: The rose is known as the queen of flowers. The highly improved forms now on the market are essentially flower garden subjects. They produce better blooms when grown by themselves in regular areas or beds where they receive treatment and care especially suited to their needs. Roses should be given plenty of room, good soil and liberal fertilizing.

Roses should never be deeply cultivated as the feeding roots are close to the surface and are apt to be injured. Beds should be made rich and loose before planting, and spading in later years should be done only in winter months, never too deeply or too close to the plant. A top dressing of barn-yard fertilizer should be used during the winter and lightly forked in the following spring.

Wood ashes applied several times a year are beneficial as a mildew preventive. The following formula is a good commercial fertilizer: 3 parts superphosphate, 1 part nitrate of soda. Apply 2 trowels full every 2 weeks. Use 4 months of the year; in spring 2 months, and September and October. Prune January-February, while plants are dormant.

N. B.: Roses often die of starvation, but seldom from indigestion.

NOTE: All roses offered in this catalog are large vigorous own rooted plants, thereby insuring strong long lived plants and eliminating all danger of the rose ever returning to a worthless wild stock. The finest blooms will be produced on the new or sucker growths. When planting roses plant the same depth they grew in the nursery. The rose is a surface rooting plant and too deep planting stunts and delays active growth. All roses will be pruned ready for planting before shipping.

Postage prepaid on all rose orders \$2.00 or over. Less than \$2.00 add 25c extra for postage.



"Camellia" Rose (Henderson)

A rose introduced last year which has rapidly won favor with all who have seen it. A cross between General McArthur and Mrs. George Shawyer. In both the half-opened buds and fully opened flowers this variety closely resembles the popular Camellia, hence the name. It is beautiful in all stages of its development. Color a soft shade of silvery-pink, deepening as the flowers open.

Special Discount on Your Own Rose Collection

Select any ten varieties from this catalog and we will allow a 15% reduction in price. For example, \$10.00 worth of roses less 15% discount makes the price to you only \$8.50.



New Rose Originations (continued)

After testing thousands of varieties I have found the fragrance of this rose unequalled. It opens well in all weather; especially desirable in warm climates for instead of fading the color is intensified. Stems are practically thornless.

This rose is presented to the public as the nearest approach to the "ideal" rose on which Luther Burbank was working at the time of his death. \$1.50 each; \$12.00 per ten.

Scarlet Bedder

(Hyb. Tea.) (Henderson). Color, dark shade of red, semi-double flowers with long-pointed buds. Most profuse flowering rose in my garden. Fragrant. \$1.00 each.

Red Giant

(Hyb. Tea.) (Henderson). Extra large free blooming semi-double flowers. Bright crimson flowers. This variety resembles large peony

flowered dahlias. Petals are exceedingly large and fine. \$1.50 each.

Miss Barbara

(Bush Polyantha) (Henderson). A baby rose having the shape and size of the Cecile Brunner, but possessing the color of the Ed. Herriott or Daily Mail rose. Coral red in color shaded to yellow and bright scarlet. Very free and vigorous. \$1.00 each. Excellent for bedding purposes.

Roses-Tested New Varieties

Baby Doll "Tip Top" (Polyantha)

Color is golden yellow tipped with bright clear cerise, almost variegated. The buds and flowers are exceptionally perfect in form. A wonderful buttonhole rose. 75c each.

Dame Edith Helen

Glowing pink color which does not fade. Flowers are carried on rigid stems, and are large and full, opening well in all weather. Foliage abundant, bright bronze to natural green. Mildew and black spot resistant. Old rose perfume. Very vigorous, upright and free blooming. A truly splendid rose. \$1.00 each.

Duchess of York

Deep golden yellow with tangerine center; deepening as flowers age to orange. The blossoms are large and full, with fine form and lasting qualities. The growth is strong, vigorous, and free-branching. \$1.00 each.

E. G. Hill

Flowers are scarlet shading to a deep red as they develop. Produces long stems; foliage develops freely and is of fine color. Not only a good producer, but also an unusually good keeper. \$1.00 each.

Mme Paul Ollivary

(Hyb. Tea.) New Irish rose, long buds, and large full flowers opening well. Color, coppery salmon, reverse petals tinted, cadmium yellow. Splendid variety. \$1.50 each.

Etoile de Feu

Solid globular buds opening into large cupped flowers of orange pink, full to the center. The flowers are borne on stiff stems throughout whole season. Dwarf plants very bushy with glistening, healthy foliage. \$1.00 each.

Fontanelle

A large yellow rose with immense petals; color deepens with cooler weather. Cross between Butterfly and Premier. \$1.00 each.

Lady M. Stewart

Flowers are deep sunflower yellow, heavily veined and splashed with orange scarlet. Fully developed flowers are cadmium orange. Buds are long and pointed, opening to very full flowers, of pleasing form. Vigorous, hardy, upright plants. Foliage glowing sage green; free from mildew. \$1.00 each.

Lord Lamborne

A very large flowering variety, of splendid form and substance. The color is a deep buttermilk yellow, each petal being heavily margined with carmine scarlet, similar to a huge "Sunstar." \$1.00 each.

Talisman

The highest colored rose yet produced; scarlet and gold with the foliage a vivid green. The stems are straight and stiff with cup-shaped buds. Very free bloomer. Awarded Gold Medal by the American Rose Society. \$1.00 each.

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Rose-Tested Standard Varieties (continued)

Chatillion

(Bush Polyantha.) Bright pink semi-double flowers with a touch of orange. Trusses of large size, plant very healthy. Free bloomer. 75c each.

Florence L. Izzard

(Hyb. Tea.) Flower deep clear buttercup yellow. Long and pointed. Foliage is mildew-proof and glossy. Awarded Gold Medal of the National Rose Society. \$1.00 each.

Francis Scott Key

(Hyb. Tea.) Large crimson buds and blooms of fine form. Very double, and slightly fragrant. Good foliage. \$1.00 each.

Golden Emblem

(Per.) Color is rich golden yellow, sometimes streaked with red. Tall pointed flowers. Foliage is mildew resistant. Tea perfume. 75c each.

Golden Salmon

(Bush Polyantha.) Single flowers in large clusters. Very free bloomer. Color, intense golden salmon. Very healthy plant. \$1.00 each. Admirable for bedding purposes.

Gooland Beauty

(Per.) Color is clear golden orange shading to a cream yellow. Flowers very large and semi-double. Two rows of petals with prominent yellow stamens. \$1.00 each. Beautiful in bud.

Irish Fireflame

(Hyb. Tea.) Very large single flower of deep madder orange, opening to a rich satiny old gold veined with crimson. 75c each.

Lady Hillingdon

Tea. Deep orange yellow, good size, Long pointed bud excellent for cutting. 75c each.

Los Angeles

(Hyb. Tea.) Color luminous flame pink toned coral and shaded with gold at base of petals. Growth vigorous, produces long stemmed flower. One of the finest roses. 75c each.

Louise C. Breslau

(Per.) Long oval buds of coral red, shading to chrome yellow and developing into fragrant globular flowers of great size. 75c each.

Lulu

(Hyb. Tea.) Buds long and delicately formed shaded orange pink and copper, borne on fine stems. Open flower is flat and almost single, but retains the color well. Bush very vigorous, free blooming, and highly resistant to disease. \$1.00 each.

Miss Amelia Gude

(Hyb. Tea.) Cross between Columbia and Sunburst. Bud long, pointed. Deep yellow center shading to cream. Fragrant. Vigorous, free bloomer. 75c each.

Mme. Butterfly

(Hyb. Tea.) Flowers are bright pink suffused with apricot and gold. Sport of Ophelia. Fine in growth and habit. 50c each.

Mme Ed Herriot or Daily Mail

(Per.) Coral red shaded yellow and bright rosy scarlet. 50c each.

Mrs. George Shawyer

(Hyb. Tea.) Brilliant rose pink, almost self-color. Flowers are large and well-formed. Free bloomer. Fine stems. 75c each.

Mrs. Redford

(Per.) Bright apricot orange-yellow, perfectly shaped flowers, opening freely in all weathers. Sweetly scented. \$1.00 each.

Padre

(Hyb. Tea.) Flowers have long petals of copery scarlet flushed with yellow at the base. Strong plant and very free bloomer. 75c each.

Rosa Hugonis

(The golden rose of China.) Very beautiful variety. The long graceful branches have fine fern-like leaves, which are covered in spring with long wreaths of single and fragrant yellow flowers. Fine to plant among shrubbery for color effect. Habit is weeping. \$1.00 each.

Souv. De Claudius Pernet

(Per.) Color is a definite and lovely sunflower yellow deepening in center. Plants free blooming. Excellent yellow. 75c each.

Victory

(Hyb. Tea.) Glowing scarlet flowers. Large pointed buds on long stems; semi-double. Free flowering bedder. Awarded Gold Medal by National Rose Society. \$1.00 each.

Wilhelm Kordes

(Hyb. Tea.) Long pointed buds and double high centered flowers of deep golden yellow overlaid with a tint of copper and striped with red. Very fragrant and free flowering. \$1.00 each.

Wm. F. Dreer

(Per.) Beautiful rose in all stages of development. As its best in half-opened flowers. Color delicate silvery pink, base of petals rich golden yellow. A wonderful rose; should be in every garden. \$1.00 each.

Special Discount on Your Own Rose Collection

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Roses-Climbers

Beauty of Glazenwood or Gold of Ophir

Color combination of copper carmine and salmon, very beautiful and very popular. A spring blooming rose, 75c each.

Belle of Portugal

(Tea.) From Rosa Gigantea. Blooms are very large, and in color soft salmon pink. Stems sometimes attain a length of 3 feet. Buds sometimes 4 inches in length. Evergreen and the most rapid growing rose on earth. Plant only in the southern sections as it will not stand temperatures lower than 10 degrees above zero. \$1.00 each.

Chateau de Clos Vougeot

(Hyb. Tea.) Wonderful climber. Color is the darkest of all red roses. Dark velvety scarlet overlaid and tipped with black. High pointed flower of wonderful keeping qualities. Very free bloomer with vigorous foliage. *Best dark red climber ever introduced.* \$1.50 each.

Silver Moon

(Hyb. W.) Pure white with clear yellow stamens. Large glossy green foliage. 75c each. Hardy anywhere.

Climbing "Golden Emblem"

Climbing sport of well-known bush variety of same name. Possesses all the desirable characteristics of the parent. \$1.00 each.

Cl. Los Angeles

(Hyb. Tea.) Sport from bush of same name. Color pink to coral. Very vigorous. \$1.00 each.

Paul's Scarlet Climber

(Hyb. W.) Most brilliant rose known because of its clear vivid shining scarlet, in large semi-double flowers, which remain unusually long on the plants. Flowers never turn blue, but retain their color until petals fall. Used as a pillar or climbing rose, it is very effective when in bloom. \$1.00 each. Hardy anywhere.

Cl. Cecile Brunner

Very strong growth. A sport of the bush variety of same name. Bright clear pink flowers. 75c each.

Cl. Edouard Herriot

(Hyb. Tea.) Brilliant coral and red buds and flowers of flaming orange, red and salmon. \$1.00 each.

Iris Varieties

I am at the present time testing some ten thousand varieties of iris in my Experimental Gardens. Hundreds of crosses are made each year in an effort to improve this remarkable flower. I am introducing this year the first variety to be offered as my own origination "Indian Gold".

CULTURAL DIRECTIONS: *Most important requisites for Bearded Iris are good drainage and sunshine. Iris planted in deep shade produces foliage only. Good loam soil, moderately rich is preferable, but it will grow in any non-acid soil. If the drainage is poor, the bed should be raised. In heavy soils, a little lime or wood ashes is beneficial in producing better drainage and also in preventing the ground from becoming sour. If the soil is sandy or light, a small amount of bone meal is the best fertilizer.*

The best time for moving Iris is in their dormant season, which is after blooming until late fall (June-November). If the rhizomes appear dry on arrival, do not be alarmed as these plants are very drought-resistant. Plant as soon as possible. The top of the rhizome should be left exposed to the sun. Water every two weeks, but do not keep wet as root rot may set in and destroy the bulb. Divide clumps every 3 or 4 years to prevent crowding, and to insure supply of large flowers.

Indian Gold (Henderson)

Cross between El Capitan and Glowing Embers, but greatly surpasses the latter variety in purity of color, size, and texture. Falls are very broad and hang gracefully; standards are a light brown over a soft yellow base, and the entire surface is sprinkled or dusted with gold which fairly sparkles in the sunlight. Falls are a rich velvety Victoria Lake. This variety has been selected from thousands of hybrids tested in our gardens. Resistant to heat, possesses excellent substance. One of the most beautiful iris. June delivery, \$10.00 each.

El Capitan

An Ori-flame X Mesopotamica hybrid. A manganese violet bicolor, wonderful substance, and majestic flowers with flaring falls. Advantage of an extended blooming season. Tall and vigorous. \$2.00 each.

Our plants have lived their lives not by quiet rote and rule, but in a turmoil of emergency.—BURBANK.

Firefall

The brightest red in the garden. Falls are a bright Bordeaux red cadmium yellow lined with maroon, the beard entirely cadmium yellow, and the standards iridescent red. Height 20-30 inches. Good foliage. June delivery, \$2.00 each.



Iris Varieties (continued)

Peerless

(1924-Dykes). "A magnificent flower of enormous size and brilliant coloring. General effect of rich glowing mahogany red. Standards are held very erectly, and have no tendency to flop, 3½ inches long, and 3 inches wide, light reddish violet in color. Falls straight; hanging 4½ inches long, 3 inches wide. Deep purple red marked brown. Beard is rich gold so brilliant that it lights up entire flower. Strong well-branched stems. Tall and strong grower and free-flowering. About 40 inches in height." (Above description is originator's, verbatim.) \$5.00 each.

Quaker Lady

Standards smoky lavender; falls same color overlaid with orange-buff. Beautifully blended. Vigorous grower. 20c each; 3 for 50c; 10 for \$1.00; 100 for \$6.00.

Santa Barbara

Finest of pure lavender blues. Spreading horizontal falls. Well-branched stalks and vigor of growth entitle this beautiful iris to be rated with the finest grown. 40 inches in height. \$1.00 each.

Troost

Deep rose-pink with deeper variations on falls. Early and quite distinct. 50c each; 3 for \$1.00.

True Delight

Very lovely white plicata with rose colored venation. Tall floriferous. 36 inches in height. 75c each; 3 for \$2.00.

Valencia

Beautiful bright orange-buff. Flowers of good form and excellent substance. Plants hardy and prolific. Medium height. 75c each; 3 for \$2.00.

Valery Mayet

Standards coppery rose; falls deep bronzy-red. Not large, but of unusual coloring. 35c each; 3 for \$1.00.

Virginia Moore

Bright yellow self. 24 inches in height. 50c each; 3 for \$1.00.

Iris Stylosa

(Winter blooming). Plants are low growing with long grass-like foliage. Flowers deep sky-blue with orange tongue. Very fragrant. Starts blooming in September on Pacific coast, and continues through the winter. Plant in early spring. Beardless. 25c each; 3 for 60c; 12 for \$2.25.

Iris Monneri

Four feet tall. Deep green foliage. Flowers are large. Deep golden yellow. Fine variety for cutting. Flowers resemble Spanish Iris, but are four times as large. Beardless. Plant in rich moist soil in full sun or partial shade. Blooming season longer than the bearded iris. 35c each; 3 for 85c; 10 for \$2.00; 100 for \$15.00.

Madame Gaudichau

Standards Bradley's violet; falls brilliant dark purple. Unusually velvety color. Flowers well shaped with beautiful texture. Widely branched stalks. Hardy growth. 36 inches in height. 50c each; 3 for \$1.00.

Medrano

Remarkable shade of bronzy claret. Fine flowers on dwarf stem. 24 inches in height. 50c each; 3 for \$1.00.

San Diego

Cross of Gaudichau and El Capitan, but is great improvement in finish, form and height. Flowers measure 6 inches by 7 inches. Falls are 3 inches in width. The richest variety yet produced in its class. June delivery; \$8.00 each.

Mesopotamica

Very large flowering species. Lavender in color. Long stems. Early blooming and fine for breeding, 48 inches in height. 75c each.

Alcazar

Standards mauve; falls dark purple. Bronze and yellow at center add to beauty of this large vigorous well-branched variety. Plant 36 inches in height. 30c each; 3 for 75c; 10 for \$1.50; 100 for \$8.00.

Ambassador

Standards bronzy-violet; falls dark velvety maroon of wonderful richness. Conspicuous orange beard. Tall vigorous and widely branched. Blooms freely. 50c each; 3 for \$1.00.

Asia

Standards broad and pale silvery-lavender with golden base; falls rosy lavender, lighter at margins. Bright golden yellow beard. Flowers of great elegance, dainty and rich. Mid-season to late bloomer. 48 inches in height. \$1.00 each.

Glowing Embers

Standards light brownish lavender; falls a rich pansy purple with orange beard and yellow center. Very rich bronze effect. In my opinion it is one of the best Iris ever introduced. 48 inches in height. \$2.00 each.

Isoline

Standard silvery lilac flushed yellow; falls purplish old rose. Large striking flower of unusual coloring. 36 inches in height. 25c each; 3 for 60c.

Dream

A very lovely crinkled rose-pink, self-color with orange beard. Perfect form, excellent substance. A long free bloomer. An orchid-like flower. 50c each; 3 for \$1.00; 10 for \$2.00; 100 for \$8.00.

Eldorado

Very distinct and striking blend of bronze, heliotrope and violet. Very floriferous. 20c each; 3 for 50c; 7 for \$1.00; 100 for \$6.00.

Iris Varieties (continued)

Frieda Mohr

Flowers measure 6 inches from top of standards to tip of falls, and have spread of 6 inches horizontally. Blooms from mid season till very late. Flower substance very heavy. Color is lavender-pink and attracts immediate attention because of the luminosity of the flowers. June delivery; \$3.00 each.

Gobelin Red

A genuinely red iris, standards mineral red; falls deep velvety Victoria Lake. This iris is actually blood-red, contrasting sharply with the known "red iris" by reason of the complete lack of red-purple in its coloring. Unusually long blooming period. Stems are strong and erect. Height 30 inches. June delivery, \$15.00 each.

Iris Japonica

A beautiful orchid-like iris, imported from the Orient. Flowers medium size, white with yellow throat heavily dotted with ring of bright blue dots. Each petal is heavily fringed or lacinated. Grows to 2½ feet in height, with beautifully varnished foliage. Valuable for shady or half shady locations. Plant carries as many as 40 flowers on a single flower spike. The most orchid-like iris in flower, shape and color. Likes moisture. 75c each; 3 for \$1.50; 10 for \$4.00.

Iris "Imperator"

A very beautiful clear blue variety of Dutch Iris. Flowers are very large. The most popular Bulbous-Iris ever offered. Plant in August and September. 75c a doz.; \$5.00 per 100.

Shade Trees

Pink Flowering Acacia "Albizzia Julibrissin"

One of the most graceful of summer-blooming deciduous trees. Native of Asia, but hardy as far north as Washington, D. C. The long, finely cut leaves are often 2 feet in length. Blooms most of the summer. The blossoms appear at the terminals of the branches. Tree is 30-50 feet in height, and the flowers are rose-pink in color, and produced in large clusters. \$1.50 each; \$5.00 per 5; 3 to 4 feet trees.

Silver Maple

Acer dasycarpum, Eastern North America. Large tree of rapid growth; foliage bright green on top with silvery green beneath. Favorite tree for streets and parks. Grows well in interior valleys. 4 to 5 feet in height. \$1.25 each; \$8.00 for 10.

Sophora-Japanese Pagoda Tree

A very beautiful deciduous tree. Very hardy in any climate. In spring, tree is entirely covered with enormous racemes of white pea-shaped flowers. Foliage is fern-like and dark green in color. Very beautiful tree, good for street use, as it stands drought and extreme heat exceptionally well. \$1.00 each; \$5.00 per 10. Rapid grower.

New "Apple-Pear" Hybrid

A very large-fruited variety; half apple and half pear. Shaped like a large apple or a quince. The color is a greenish yellow with numerous russet spots. Ripens latter part of September or October. Flesh is pure white, very firm, and of exceedingly fine texture. Unusually delicious. Fruit is solid and very heavy. This new variety is almost seedless and coreless. A few trees will be released this year at \$10.00 each. Grafting wood at \$5.00 per foot.

Burbank's Royal Walnuts

These walnuts are a cross between the eastern black walnut and our northern California rapid-growing native black walnut. The variety is known everywhere as the "Royal." Will outgrow any other walnut produced. Grown by Luther Burbank in 1885, the Royal has come to be known not only as the best of all walnuts for timber production, but also for its unequalled vigor as a stock on which to graft all the best soft-shelled walnuts of commerce. It has been found from long experience that grafts made on the "Royal" make better growth, bear heavier, and are less subject to blight.

Extra selected trees of the "Royal" original tree are \$1.25 each; \$8.00 per 10; \$60.00 per 100.

By grasping the ways of nature, man can plan the end from the beginning. He may and does create species by using nature's methods.—DAVID STARR JORDAN.



Sesbania-Scarlet Wisteria Tree

One of the most beautiful of all small deciduous trees from South Africa. Rarely exceeds 6 feet in height. Blooms practically all summer. The long weeping branches with fern-like foliage are literally covered with drooping clusters of brilliant tango-red, pea-shaped blossoms. The clusters are similar to wisteria in shape, and average 6 inches in length. Very showy when in bloom. Hardy. In bloom all summer.

A novel introduction which is both rare and beautiful. Small trees 8 to 12 inches high, \$1.00 each; larger trees 3 to 4 feet high \$2.00 each. All trees will bloom next summer.

Red Bud or Cercis Chinensis

(or *Cercis Japonica*)

Handsome shrub or small tree from Japan. Especially ornamental in spring when the flowers appear before the leaves. Flowers are deep pink in color and are produced in great abundance. Very striking plant withstanding drought and neglect when once started. Vigorous young trees at 75c each; \$5.00 per 10.

Tamarix or Tamarisk Tree

Very graceful and highly ornamental deciduous tree. Foliage feathery and produced on long stems which are adaptable for cutting purposes. In bloom throughout the summer months producing quantities of lilac pink flowers which resemble Lily of the Valley blooms. Very rapid growing tree, succeeding well with very little water or care. Large trees, \$1.00 each; 10 for \$6.00.

Ready from December to April 1st. Strong one year plants.

Erythrina Cristi-Galli Brazilian Coral Tree

Called by some the Parrot's Bill flower; because of the peculiar shape of the blossom. Blooming for many months throughout the summer this charming deciduous shrub creates quite a sensation when in bloom. Large scarlet flowers with black centres are borne in immense clusters. Grows to a height of eight feet. Young plants potted at \$1.00 each. Sent express collect.

Climbing Deciduous Vines

CLIMBING DECIDUOUS VINES

Bignonia Grandiflora (Very Rare)

Giant flowering trumpet vine. Very hardy. Bears many large apricot-pink flowers whose diameter measures 3 inches. The largest flowered variety of the genus. Flowers are borne in immense clusters throughout the summer. The plant is a *quick grower* and is especially recommended as a covering for fences, etc. Strong grafted plants ready for delivery from December to April 1st. \$2.00 each. Will bloom the first season after planting.

Mandevillea (Chilean Jasmine)

A very desirable deciduous climber; *rapid grower*; produces clusters of white or light blush-pink flowers that are very sweet scented. During the summer the blooms are 2½ inches in diameter. This plant is remarkable especially for its long seed pods and penetrating perfume. 50c each; \$3.50 for 10. Ready from December to April 1st. Not hardy north. Useful for a greenhouse climber.

The fundamental principles of plant breeding are simple. The practical application of these principles demands the highest and most refined efforts of which the mind of man is capable, and no line of mental effort promises more for the elevation, advancement, prosperity and happiness of the human race.—BURBANK.



ORDER SHEET

HENDERSON'S
EXPERIMENTAL GARDENS

Route 5, Box 22 - Fresno, California

DO NOT WRITE HERE

OUR ORDER NO.

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(Write Very Plainly)

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Ship How _____ When _____ Amount Enclosed _____

CONDITIONS OF SALE: We exercise every care to ship only first class stock, but give no warranty, expressed or implied, and will not in any way be responsible for the results of planting or forcing of any seeds, bulbs, roots or tubers sent out by us. We are anxious to satisfy all of our customers and will gladly make replacement or refund purchase price of any article that does not prove true to name or does not arrive in good growing condition. Please notify us at once if shipment does not arrive in satisfactory condition. If the purchaser does not accept the goods on these terms, no sale is made, and they must be returned at once.

Quantity	NAME OF VARIETY	PRICE		TOTAL	
	Specials Listed on Back Cover				
	<i>Beginners Iris Collection</i>	2	.50		
	<i>Fancier's Iris Collection</i>	10	.00		
	<i>Mixed Extra Fancy Gladiolus Collection</i>	7	.50		
	<i>Amateur's Dablia Offer</i>	4	.00		
	<i>Henderson's Dablia Originations Collection</i>	4	.00		
	<i>Henderson's Dablia Creations Super Collection</i>	15	.00		
	<i>Amateur's Gladiolus Collection</i>	1	.25		
	<i>Henderson's Gladiolus Originations Collection</i>	1	.75		
	<i>New Fragrant Gladiolus Offer</i>	18	.00		
	<i>Fancy Carnation Offer</i>	1	.75		
	<i>Special Chrysanthemum Offer</i>	1	.50		
	For Rose Specials Consult Offer Bottom of Pages 17 and 18.				
	Make Up Your Own Rose Collection.				
	FORWARD				

If any item is out of stock, may we substitute? Write Yes or No.....

[illegible]

If any item is out of stock, may we substitute? Write Yes or No.....

Extras will be included with your order for names of friends who are flower lovers.

Name _____ Address _____

Name_____Address_____

Name _____ Address _____

Name _____ Address _____

Name_____Address_____

Name_____Address_____

Special Values in Attractive Collections

Beginner's Iris Collection

Alcazar	\$.30
Ambassador .....	.50
Dream .....	.50
El Dorado .....	.20
Isoline .....	.25
Lady Foster .....	.50
Mme. Gaudichau .....	.50
Virginia Moore .....	.50
Catalog value	\$3.25
Collection, one each of above	\$2.50
	postpaid.

Fancier's Iris Collection

Contains some of the very best iris known to the fancier of today.

Ambassador	\$.50
Asia	1.00
Dream .....	.50
El Capitan	2.00
Glowing Embers	1.50
Mme. Gaudichau .....	.50
Medrano .....	.50
Peerless	5.00
Santa Barbara	1.00
True Delight .....	.75
Valencia .....	.75
Catalog value	\$16.00
Collection, one each of above	\$10.00
	postpaid.

Iris for Mass Color Effect

We will select unlabeled varieties that will give a good range of color suitable for massing.

10 assorted choice iris	\$ 1.00
25 assorted choice iris	2.25
50 assorted choice iris	4.00
100 assorted choice iris	6.00
1000 assorted choice iris	\$30.00
	postpaid.

Extra Fancy Gladiolus

Introducing an extra fancy collection of original creations.

Rev. Thomas Clayton	\$2.00
Mary Ann .....	.50
Rainbow	2.50
Dorothy .....	.50
W. H. Henderson, Sr.	2.00
Raven	2.00
Lady Eleanor	1.00
California .....	.50
Catalog value	\$11.00
Collection, one each of above	\$ 7.50
	postpaid.

Amateur's Dahlia Offer

Amun-Ra	\$1.00
Champagne	1.00
Earle Williams	1.50
Jersey Beauty .....	.75
Insulinde	1.00
Catalog value	\$5.25
Collection of five	\$4.00
	postpaid.

Henderson's Dahlia Originations

Uncle Sam	\$2.00
Orchid Queen	1.00
San Joaquin	2.00
Fresno Beauty	1.00
Catalog value	\$6.00
Special offer for four	\$4.00
	postpaid.

Henderson's Dahlia Creations

A special collection of super varieties.

Henderson's Pink	\$5.00
Henderson's White	5.00
Senator Slater	2.00
American Beauty	5.00
Catalog value	\$17.00
Introductory offer	\$15.00
	postpaid.

Amateur's Gladiolus Collection

Alice Tiplady	\$.10
Dr. F. E. Bennett .....	.25
Evelyn Kirtland .....	.10
Los Angeles .....	.15
Mary Pickford .....	.10
W. H. Phipps .....	.25
Mrs. F. Pendleton .....	.10
Mrs. F. C. Peters .....	.20
Richard Diener .....	.20
Virginia .....	.10
Elora .....	.10
Catalog value	\$1.75
Special collection price	\$1.25
	postpaid.

Henderson's Gladiolus Originations

Mary R. Logan	\$.50
Mary Ann .....	.50
Dorothy .....	.50
Fresno .....	.50
California .....	.50
Catalog value	\$2.50
Special introductory offer	\$1.75
	postpaid.

New! Fragrant Gladiolus

Introducing three new fragrant gladiolus.

Fragrant Rose	\$10.00
Fragrant Yellow	10.00
Fragrant Rose Lavender	5.00
Catalog value	\$25.00
One large bulb of each	\$18.00
	postpaid.

Fancy Carnation Collection

Mixed colors, twelve young, vigorous heavily rooted plants from my extra fancy collection of hardy outdoor carnations.

Catalog value	\$2.50
Special offer for twelve	\$1.75
	postpaid.

Special Chrysanthemum Offer

One well rooted plant each of the five varieties of chrysanthemums listed on page 9.

Catalog value	\$2.00
Special collection offer	\$1.50
	postpaid.

A Valuable New Vegetable Creation



Henderson's "Crimson Giant" Chard

A valuable new vegetable creation. Cross between a sweet sugar beet and Swiss chard. Produces greens for the table, far superior to spinach in quality. Color retained in cooking if properly prepared. Highly ornamental in the garden. (Described on page 2.)